

Table A-18. Concentration of total, Federal, and company and other industrial R&D funds and net sales of companies that performed industrial R&D in the U.S., ranked by size of R&D program: 1991-2001

Companies ranked by size of R&D program	1991	1992 ¹	1993 ¹	1994 ¹	1995 ¹	1996 ¹	1997 ¹	1998 ¹	1999 ^{1,2}	2000 ¹	2001 ¹
Percent of total (company, Federal, and other) R&D funds ³											
First 4 (1-4)	16	15	17	15	16	15	14	12	11	10	10
Next 4 (5-8)	8	8	7	8	8	8	8	8	8	7	7
Next 12 (9-20)	12	13	13	14	13	13	13	13	13	13	12
Next 20 (21-40)	11	11	12	13	12	12	11	11	11	11	11
Next 60 (41-100)	15	15	16	15	14	14	14	13	13	14	14
Next 100 (101-200)	12	12	8	9	8	9	9	9	9	9	10
Next 200 (201-400)	6	6	7	7	7	7	8	8	7	10	8
Percent of Federal R&D funds ³											
First 4 (1-4)	14	11	23	26	35	37	40	46	47	43	41
Next 4 (5-8)	21	18	17	19	19	20	23	17	14	16 (S)	17
Next 12 (9-20)	21	27	32	32	27	23	18	14	15	15	17
Next 20 (21-40)	15	13	16	13	8	7	7	7	8	7	6
Next 60 (41-100)	13	11	5	7	5	5	5	7	7	6	8
Next 100 (101-200)	3	4	5	2	3	4	3	5	4	5	5
Next 200 (201-400)	2	2	2	1	3	4	4	4	5	7	6
Percent of company and other (except Federal) R&D funds											
First 4 (1-4)	17	17	17	16	16	15	13	12	11	10	11
Next 4 (5-8)	7	8	7	7	7	7	7	7	8	7	8
Next 12 (9-20)	10	12	12	12	11	11	11	12	12	12	11
Next 20 (21-40)	10	11	11	11	11	10	11	10	10	10	10
Next 60 (41-100)	16	17	14	14	14	14	13	13	13	13	14
Next 100 (101-200)	15	14	9	9	9	10	10	10	9	9	10
Next 200 (201-400)	7	7	8	8	8	8	9	8	8	11	8
Percent of net sales											
First 4 (1-4)	7	8	8	8	8	6	6	5	6 (S)	3	3
Next 4 (5-8)	3	3	3	2	2	3	2	3	2	(D)	4
Next 12 (9-20)	4	4	4	5	6	6	5	5	7	8	8
Next 20 (21-40)	4	4	4	5	4	4	5	5	4	4	5
Next 60 (41-100)	12	12	11	10	9	8	7	8	9	11	9
Next 100 (101-200)	9	9	8	8	8	11	8	8	8	9	11
Next 200 (201-400)	11	11	10	10	10	11	13	11	14	12	10

¹ As a result of annual sampling, implemented to produce statistics that better reflect R&D performance among firms in nonmanufacturing industries and small firms in all industries, statistics for 1992 and later years are not directly comparable with statistics for earlier years. For more information, see the technical notes in Survey of Industrial Research and Development Methodology: 2001 at <http://www.nsf.gov/sbe/srs/sird/start.htm>.

² Some percentages for 1999 have been revised since originally published.

³ Beginning with 2001, statistics for total and Federally funded industrial R&D exclude data for Federally Funded Research and Development Centers (FFRDCs).

KEY: (D) = Data have been withheld to avoid disclosing operations of individual companies.
(S) = Indicates imputation of more than 50 percent.

NOTE: Companies were ranked individually for each year; therefore, particular companies comprising the size groups may have changed from year to year.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Industrial Research and Development: 2001